




Abhitosh Kumar

DATE OF BIRTH: 01ST JANUARY, 1995

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Passionate and committed to help other using the knowledge and skills gathered over course of time. Has Strong values built around helping others. Well-organized with excellent attention to detail. Well informed about the surroundings.

Skills

- Information processing
- Analytical and Creative thinking
- Investigative and Experimental
- Team Working and Management
- Communication
- Multi-disciplinary Exposure
- Autonomous working and Time management
- Planning and Decision making
- Problem Solving

Experience

For the Part 7 years I have been teaching underprivileged children and have helped them achieve their goals. I have taught more than 100 students in this time and many of them are doing well today.

MARCH, 2019 – PRESENT

Vice-President / Nav Srijan Society for Education and Environment, Delhi

- Meeting and communicating with new people daily.
- Counselling Students and parents to have a clear view of careers.
- Counselling people who are facing issues in their surroundings.

MARCH, 2018 – 2019

Executive Member / Nav Srijan Society for Education and Environment, Delhi

- Social media management
- Contact management
- Volunteer enrollment and management

11TH NOVEMBER, 2016 – 2018

Technical assistant/ Volunteer team head / Nav Srijan Society for Education and Environment, Delhi

- Tutoring Under-privileged Students
- Volunteering for giving society a clean and better environment.

2ND JUNE, 2017 – 27TH JULY, 2017

Intern / Delhi Metro Rail Corporation, Delhi

As a intern I gained exposure working with a team at various Location and in different departments, namely

- Overhead equipment
- Solar power generation
- Receiving Sub-station
- Electrical and Mechanical Department
- Environment control system and track exhaust system.

13TH DECEMBER, 2016 – 05TH JANUARY 2017

Technical Intern / Applied Electro-Magnetics (AEM), Noida

- Was a technical intern under Customer service and maintenance wing.
- Working on project Integrated Voice Communication and Control System (VCCS)
- Dealing with Radio equipment's and integrating them to a Fiber server and a Computer system for easy operation.

Education

JUNE 2018

Bachelors in Technology (Electrical and Electronics Engineering) / Delhi Technological University, Delhi

I was able to Secure an Aggregate percentage of **54.97**.

MAY 2013

Senior Secondary Education(12th) / Dhanpatmal Virmani Sr. Sec. School, Roopnagar

I elected Science stream with Subjects Physics, Chemistry, Biology and Mathematics as well. And was able to score **60.4%** in class 12th of CBSE Board.

MAY 2011

Secondary Education(10th) / Dhanpatmal Virmani Sr. Sec. School, Roopnagar

I was able to achieve **7.4 CGPA** in class 10th with the introduction of CCE pattern for the first time in CBSE.

Project Work

Run Burari Run

It was a marathon run again the rising air pollution in Delhi. I was the event coordinator for this major event.

- There was about **10,000-12000** footfall reported by media.

- **4000-5000** people participated in this event.
- **5-6** major media houses reported this event.
- **7-8** Major brands like **Bisleri** were involved as sponsors.
- Approximately **6 lakh** worth prizes were distributed.
- Students from more than **25 schools'** participated.

Mega Plantation and Cleanliness Drive

Solid waste dumped on road sides were cleaned and trees were planted

- 1000 trees were planted
- More than 50 people volunteered to clean and plant trees.
- **Forest and Agriculture dept. of Delhi** sponsored trees for plantation.
- **Former minister Imran Hussain** took part in this event.

Other Cultural events

In past few years we have organized more than **20 cultural events**. **Kavi samelans, Tribute to martyrs (Aavahan), etc.** Each event concluded a **footfall of 300+ People**.

Moreover, During Last three years of College, working in teams of three/ Four I have carried **Two major projects, Two minor projects, Two Seminars with working models**.

Tech Projects

Projects were presented in front of 10-15 Professors, Dean and other faulty members of the College.

- 1- **OBJECT DETECTION USING GAUSSIAN MIXTURE MODEL-** In this project we were able to accomplish to detect people and cars on streets separating foreground and background using simple image processing and computer vision.
We were using MATLAB SIMULINK and were able to complete the same on open C.
- 2- **DETECTION OF HIGH IMPEDANCE FAULTS-** This was a model Simulation on MATLAB Simulink, were a system was designed working with 82% efficiency to Locate faults in an electrical system.
- 3- **DEVELOPMENT OF TRANSMISSION LINE MODEL-** A **miniature 500kV, 750km, Single long transmission line** was developed using 1 henry Inductors and 2.5micro farad Capacitors (Total 50 in numbers). We also calculated the surge impedance offered by the Transmission line.
- 4- **FLEX CONTROLLED ROBOTIC ARM-** It was a movement replicating robotic arm, based on Arduino Micro-controller.

Seminars

- 1- **SOLAR TRACKER-** A LDR based light detecting and following system.
- 2- **SMART STREET LIGHT-** When vehicle passes by a particular IR sensor it senses the position of vehicle and gives its signal to the Arduino board and it will turn on the LED's.